



Handheld Mini Digital TV Receiver

ALBRECHT digi-TV 300



User Manual

Important Safety Instructions and Caution

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
<p>CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK • DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		



The lightning flash with arrowhead symbol • within an equilateral triangle • is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



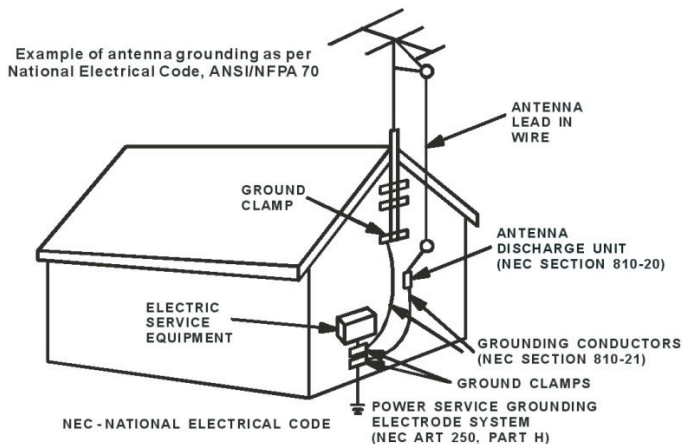
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF POWER PLUG TO WIDE SLOT OF AC OUTLET AND FULLY INSERT.

- 1. **Read Instructions** All the safety and operating instructions should be read before the product is operated.
- 2. **Retain Instructions** The safety and operating instructions should be retained for future reference.
- 3. **Heed Warnings** All warnings on the product and in the operating instructions should be adhered to.
- 4. **Cleaning** Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 5. **Attachments** Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- 6. **Water and Moisture** Do not use this product near water—for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
- 7. **Ventilation** Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- 8. **Power Sources** This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- 9. **Grounding or Polarization** This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- 10. **Power-Cord Protection** Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
- 11. **Protective Attachment Plug** The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.

- 12. **Outdoor Antenna Grounding** If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
- 13. **Lightning** For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
- 14. **Power Lines** An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- 15. **Object and Liquid Entry** Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- 16. **Servicing** Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 17. **Damage Requiring Service** Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a) When the power-supply cord or plug is damaged,
 - b) If liquid has been spilled, or objects have fallen into the product,
 - c) If the product has been exposed to rain or water,
 - d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
 - e) If the product has been dropped or damaged in any way, and
 - f) When the product exhibits a distinct change in performance this indicates a need for service.
- 18. **Safety Check** Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- 19. **Heat** The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.



Precautions

On Safety

- Do not use wet hands to pull out the plug. It may cause electrical shock.
- If the player does not work, please pull out the plug for safety. Contact us for further technical support.
- Before moving the player, please make sure the power adapter is disconnected from the wall outlet.
- Do not move the player when playing. It may cause a fire or electrical shock.
- Should any solid object or liquid fall into the cabinet, unplug the player and have it checked by qualified personnel before operating it any further.
- If you are not going to use the player for a long while, be sure to disconnect the player from the wall outlet. To disconnect the power adapter, grasp the plug itself; never pull the cord.

On Placement

- Please keep a sufficient distance between the player and a radio set. A sufficient distance is also needed between the player and any other devices with electromagnetic field.
- Please place the player in a location with adequate ventilation to prevent heat build-up in the player.
- Do not place the player on a soft surface such as a rug that might block the ventilation holes on the bottom.
- Do not place the player in a location near heat sources, or in places subject to direct sunlight, excessive dust, or mechanical shock.
- Do not place the player in a location exposed to cool air. Condensation may occur and cause the player work incorrectly.

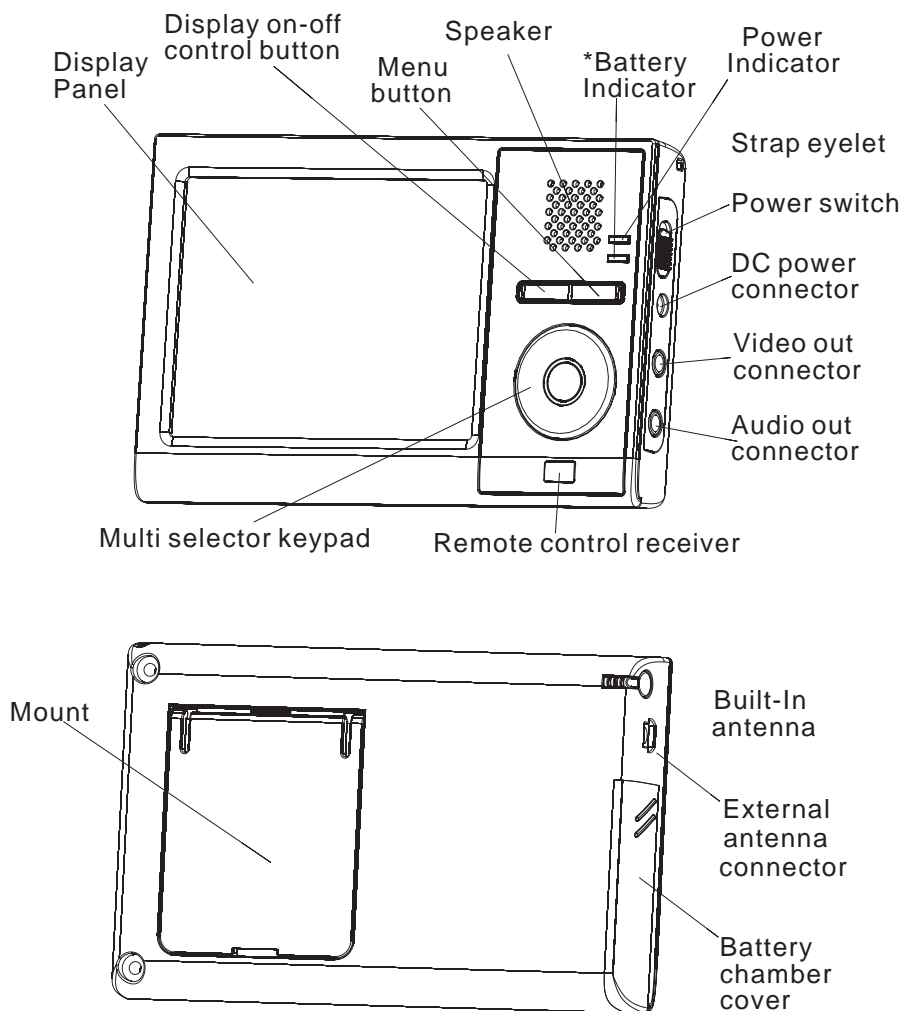
On Operation

- The player may not work because of improper operation. The limited warranty does not cover consequent losses that rise from improper usage.
- Turn off the player when you are watching regular TV program. It may cause a picture distortion.
- The player will not work correctly when affected by exterior elements such as static electricity. In such cases, pull out the power adapter and plug it back to the outlet again.

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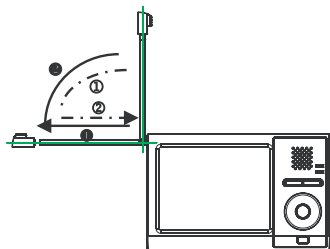
Parts of the Handheld TV



* When the battery is charging, the LED will glow red. And after successfully charging, it will glow green.

Connection Overview

Built-in antenna



AC/DC power
adaptor



Car cigarette
lighter adaptor



External antenna

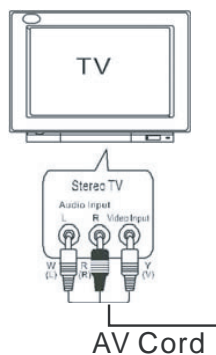
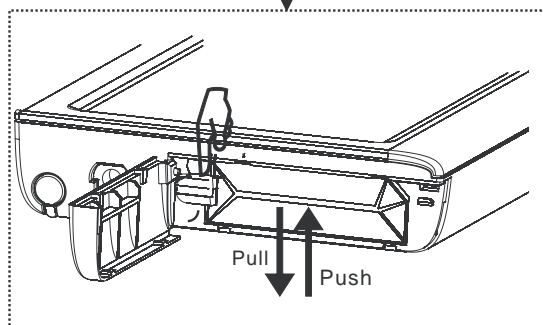


Earphones

Video
(Yellow)

Audio
(Green)

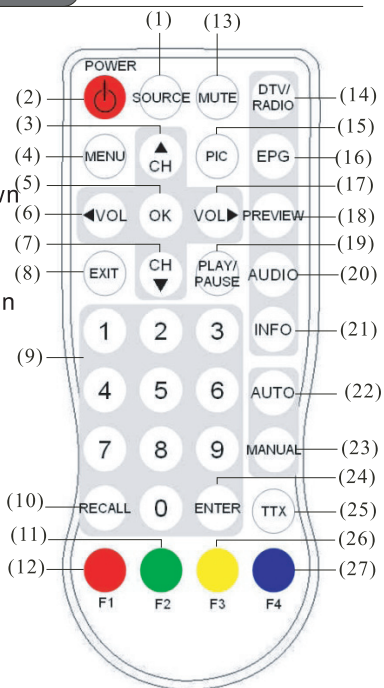
Rechargeable battery



AV Cord

Remote Control Operations

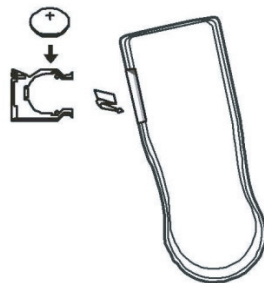
- (1) SOURCE: no function
- (2) POWER: power-on/stand-by selection
- (3) Channel selection up or move the cursor up
- (4) MENU: enter the setup menu
- (5) OK: select the highlight item
- (6) Volume down or move the cursor left
- (7) Channel selection down or move the cursor down
- (8) EXIT: exit the current setup
- (9) Digital keys
- (10) RECALL: return to the last selected channel
- (11) Red button : sub-title key in the normal operation mode or a hot key to go to the browsed Teletext pages in teletext mode
- (12) Green button : a hot key to go to the browsed Teletext pages in the teletext mode
- (13) MUTE: mute control
- (14) DTV/Radio selection
- (15) PIC: no function
- (16) EPG: electronic program guide
- (17) Volume up or move the cursor right
- (18) PREVIEW: preview selected programs
- (19) PLAY/PAUSE selection
- (20) AUDIO: second language, and stereo selection
- (21) INFO: DTV system information
- (22) AUTO: automatic channel scanning
- (23) MANUAL: manually select channels
- (24) ENTER: enter the selected channel no.
- (25) TTX: Teletext key to display Teletext (has to be supported by broadcaster)
- (26) Yellow button : page up in the EPG mode or a hot key to go to the browsed Teletext pages in the teletext mode
- (27) Blue button: page down in the EPG mode or a hot key to go to the browsed Teletext pages in the teletext mode



Remote Control Battery Installation

Before attempting to operate your remote control, install the battery as described below.

- (1) Turn the remote control face down.
- (2) Press down on the ridged area of the battery cover and slide it off.
- (3) Slide another battery in.



Charging the Battery

This unit contains a built-in rechargeable Lithium battery.

With full charged battery, the LED will be green.

When the “Battery LED” becomes red, the battery is discharged and the TV set will switch off automatically soon, unless you recharge the battery.

1. It is possible to continue watching TV and recharge the battery simultaneously, but it may take more time for charging.
2. Connect the unit to the external power source via AC/DC power adapter or 12 V car cigarette lighter adapter.
3. During charge procedure, the battery LED will glow red.
3. Charging will be stopped automatically when battery is fully charged and the LED will change to green.
4. A fully discharged battery will need a charging time of up to 4 hours to get fully charged.

Please note, that - like all Lithium batteries - the battery of Your TV set has a limited life time. After appr. 300 charging procedures, the capacity will be still around 70 %, but will decrease slowly but steadily and the battery must be charged more often. If the capacity should not be sufficient any more, please replace the battery.

Precautions:

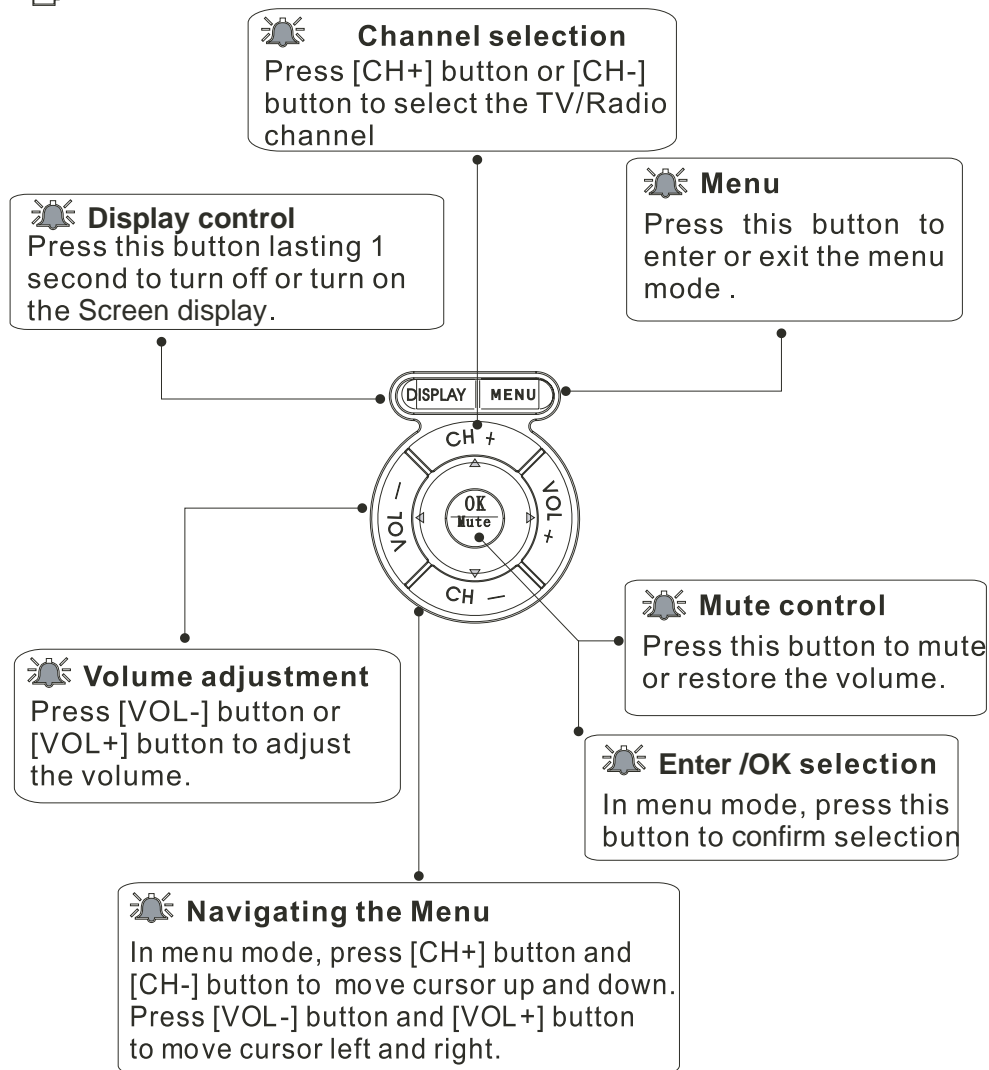
Never charge the battery with another charging device than the suggested charging adapter. Never short circuit a Lithium battery or dispose it into fire. The battery may explode or burn if not correctly handled.

It is quite normal that the battery becomes warm during charging and operation. However, it is not recommended to charge or to operate the TV set at environment temperatures below 0 °C or above + 40 °C.

Basic Operation

This section details the basic TV operations. This model allows complete Band III and UHF Band IV / V DVB-T reception.

KEY FUNCTION



Using Main Menu

In the menu mode, you can highlight the service type, program list, preview, audio channel, program editing, program info, automatic search, manual search, and system setting to enable the related function. You can use [CH+], [CH-], [VOL+], and [VOL-] buttons to highlight the item and press [OK] button to confirm the setting.



Service Type

Selection of either TV or Radio programs. **Note:** Radio programs are only available in some regions (e.g. Berlin)



Program List

To show the information of all of the available channels



Preview

To preview up to 9 selected channels



Audio Channel

Selection of either master or secondary language



Program Editing

To re-arrange the TV channels in the program table via delete, skip, or re-order functions



Program info

To provide the TV program information about the system parameters and signal information



Automatic Search

To search the program channels automatically



Manual Search

To search the program channels manually

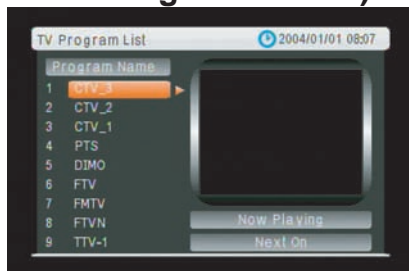


System Setting

To configure the system setting. Detailed description please see the "System Setting" in page 9.

PROGRAM LIST (EPG, Electronic Program Guide)

1. In menu mode, select “Program List”
2. Press [OK] button to show all of the available channels.
3. Press [CH+] and [CH-] button to choose any channel
4. Press [VOL-] button to show the details of the channel.
5. Press [MENU] button to exit



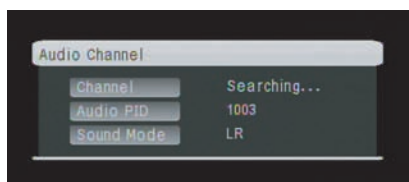
PREVIEW

1. In menu mode, select “Preview”
2. Press [OK] button to show 9 channels shots
3. Press [CH+]/[CH-]/[VOL+]/[VOL-] button to select channel, and press [OK] button display the channel
4. Press [MENU] button to exit



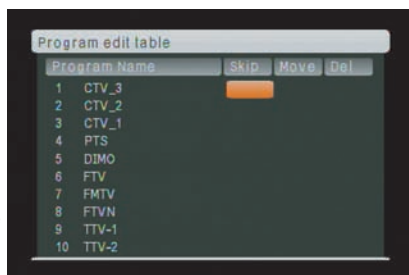
AUDIO

1. In menu mode, select “Audio Channel”
2. Press [OK] button to show the screen as right figure
3. Press [CH+]/[CH-] button to select items
4. Press [VOL+]/[VOL-] button to adjust the setting
5. Press [MENU] button to exit



Program Editing

1. In menu mode, select “Program Editing”
2. Press [OK] button to show the program edit table
3. Press [CH+] or [CH-] button to select channel
4. Press [VOL+] or [VOL-] button to select skipping channel, delete channel, or moving channel.
5. Press [OK] button to skip channel, delete channel, or change the channel number.
6. Press [MENU] button to exit



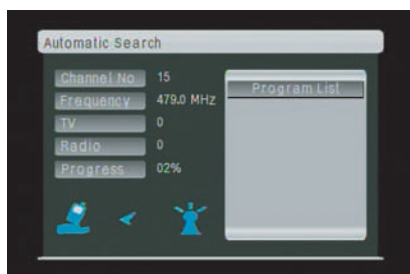
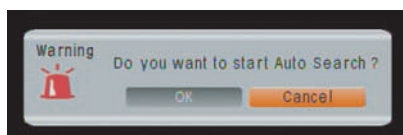
Program Info

1. In menu mode, select “Program Info”
2. Press [OK] button to show the program information.
3. Press [MENU] button to exit



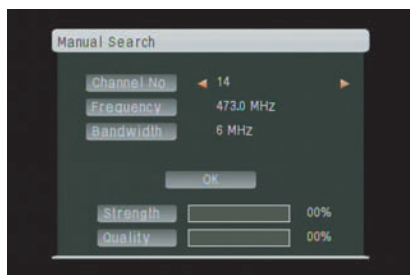
Automatic Search

1. In menu mode, select “Automatic Search”
2. Press [OK] button
3. Press [CH-] to select desired item
4. Press [OK] button to start the channel searching
5. Press [MENU] button to exit



Manual Search

1. In menu mode, select “Manual Search”
2. Press [OK] button to show the manual search screen
3. Press [VOL-] or [VOL+] button to adjust channel
4. Press [CH-] button to select desired item
5. Press [OK] button to start the target channel searching
6. Press [MENU] button to exit



System Setting



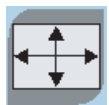
Setup Wizard

Quickly setup via the step by step instructions.



Brightness

To adjust the brightness of the screen.



Aspect Ratio

Display the 16:9 content in total zoom, vertical zoom, or 16:9 format as originally transmitted.



Subtitle language

To select a subtitle language available from service providers.



Antenna Selection

To select the antenna reception source: built-in antenna, external antenna, or switching automatically. (Automatically switching is recommended!)



TV System

To select the TV system format. For Europe, PAL is recommended.



Regional Setting

To select the region where you are located in.



OSD Language

Selection of the screen menu language.

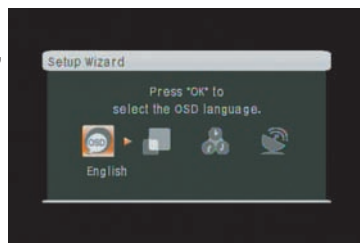


Time Zone

To set the time zone.

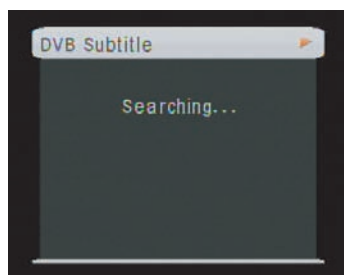
Setup Wizard

1. In system setting, select “Setup Wizard”
2. Press [OK] button
3. Press [VOL+] or [VOL-] button to choose the desired item
4. Press [OK] button to select
5. Press [MENU] button to exit



Subtitle language

1. In system setting, select “Subtitle language”
2. Press [OK] button to start the searching
3. After the searching, press [CH-] or [CH+] to choose the language
4. Press [OK] button to select
5. Press [MENU] button to exit



Regional Setting

1. In system setting, select “Regional Setting”
2. Press [OK] button
3. Press [CH-] or [CH+] / [VOL+] or [VOL-] button to choose the country
4. Press [OK] button to select
5. Press [MENU] button to exit



OSD Language

1. In system setting, select “OSD Language”
2. Press [OK] button
3. Press [CH-] or [CH+] button to choose the language
4. Press [OK] button to select
5. Press [MENU] button to exit



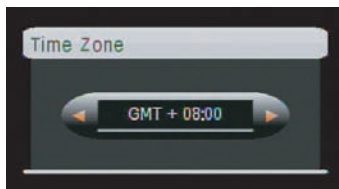
Brightness

1. In system setting, select “Brightness”
2. Press [OK] button
3. Press [VOL+] or [VOL-] button to adjust the brightness level of the display
4. Press [OK] button to select
5. Press [MENU] button to exit



Time Zone

1. In system setting, select “Time Zone”
2. Press [OK] button
3. Press [VOL+] or [VOL-] button to select the correct time zone
4. Press [OK]/[MENU] button to select

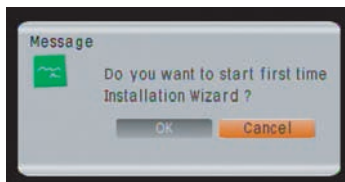


Quickly Starting Guide

There are two methods to setup the system setting quickly.

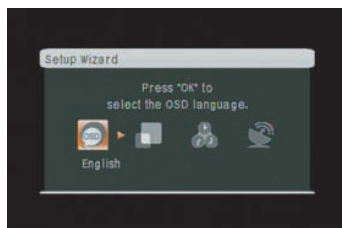
I. Press [OK] button for at least 5 seconds

1. After pressing this button for at least 5 seconds, the unit will be re-started and shows the message as right.
2. Press [VOL-] button to highlight “OK”
3. Press “OK” and “Setup Wizard” starts
4. Set the OSD Language, Region, Time Zone, and then start the automatic channel search. Search may take some minutes!.
5. After searching, the TV is ready and starts with the first listed TV program.



II. Go to the menu “System Setting” Setup Winzard

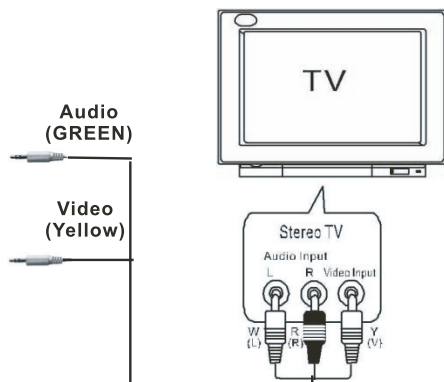
1. Set the OSD Language, Region, Time Zone, and then start the automatic channel search.
2. After searching, the TV is ready.



Connection to another TV Set

You can also use Your DVB-T receiver as a Set-Top-Box for other kind of television set.

If you want to connect the unit to a television, please refer to the manual of the equipment to be connected as well. Before connecting the Handheld TV to other equipments, please turn power off and unplug all equipments from the wall outlet.



i NOTICE

DO NOT connect unit through your video cassette recorder when setting up your home entertainment system, because the picture may not be played correctly due to the copy guard. If your TV set does not have RCA /Cynch sockets for A/V, please purchase a Cynch/RCA Adapter for the TV's Scart socket.

Trouble Shooting Q&A

Before requesting service for this unit, check the table for a possible cause of the problem. You may eliminate problems and restore the proper operation after you check out the following table and do some minor adjustment on your part.

Problem	Possible Reason	Solution
No picture, no audio	The battery power is too low.	Recharge the battery power.
	Power cord is not properly hooked up.	Check the power cord connection.
	The unit is not powered on.	Slide the "POWER SWITCH" to "ON" position.
The number of DVB-T channels is not as many as we expected.	The no. of stored channels is small.	Please perform "Auto search" or "Manual search" function to re-scan all of the channels.
	Signal Quality Level of certain TV channels is too low.	Please use external antenna instead of the built-in antenna to increase the sensitivity.
	Certain TV channels are not provided locally.	Only DVB-T can be received
All of the channels show "No Signal" or mosaic tiles appear on the display	Signal Quality Level of certain TV channels is too low.	Please use external antenna instead of the built-in antenna to increase the sensitivity.
	Wrong antenna is used.	Please use the antenna in the product package.
	No DVB-T service is provided in the area.	No way to watch analog TV service.
Video is good, but no audio	The voice volume is turned too low.	Click the "VOL + " button to raise the volume.
	The audio is muted.	Click the "MUTE " button to disable the mute function.
Remote control does not work	No power.	Check the battery of the remote controller.

Specification

Display	3.6" LTPS TFT-LCD for Digital TV with 960 dots x 240 lines resolution Brightness: 250 nits; Contrast ratio: 300 :1 Wide view angle: 120° (Horizontal) / 100°(Vertical)
Antenna	Built-in telescopic antenna for VHF and UHF band reception Additional external antenna input
Speaker	Built-in .5W/8 Ω speaker
Output Interfaces	3.5mm Video connector 3.5mm Stereo Earphone connector / Audio output
LED indicators	Power LED (Operation: green) Battery LED (Charging: red, charging completed: green)
Controls	Infrared Remote Control 7 Keys: CH+(▲), CH-(▼), Vol+(►), Vol-(◄), Menu (Exit), OK (Mute), Display Power on/off slide switch
OSD Languages	English, German, French, Portuguese, Spanish, Italian, Dutch
Features	DVB-T TV/Radio, auto channel search, EPG, channel preview, teletext, subtitle
Power supply	100/240V AC power adapter with 5V/ 1.4 A DC output
Battery	Built-in 3.7V/1800 mAh rechargeable polymer battery (It's estimated that 70% full-of-scale energy remained after 300 cycles of recharging use.)
Operating time	Typical 3 hrs average
Dimensions	122 x 79 x 18.5 (mm)
Weight	210g (including rechargeable lithium polymer battery)



This TV receiver does not contain hazardous material and is RoHS conform. It complies to all relevant requirements of European Directives, like EMC, LVD, RoHS and WEEE and carries the CE marking.



Please take care that defective electronic items will not be disposed into normal household trash. Specialized collecting points will accept Your electronic waste free of charge and will take care for effective recycling of all electronic products.

You may download all technical documents and the Declarations of Conformity for our products anytime from our server:

<http://www.hobbyradio.de>

Note: This TV receiver is designed only for digital TV reception (**DVB-T**) and digital audio reception (Radio over DVB-T). This radio service is only supplied in certain regions (e.g. in Berlin you can receive about 30 radio stations). Analog TV programs, **DMB**, **DVB-H** or **DAB** stations cannot be received with this unit.

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<http://www.albrecht-online.de>